PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below YCT-1025 Priority date (day/month/year) International filing date (day/month/year) International application No. 31.03.2004 28.03.2005 PCT/JP2005/005695 International Patent Classification (IPC) or both national classification and IPC Applicant SUNTORY LIMITED This opinion contains indications relating to the following items: Basis of the opinion Box No. I Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCI/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/JP

Telephone No.

Facsimile No.

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).
2.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	ь.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Λdd	tional comments:
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Вох	x No. IV Lack of unity of invention	ļ
1.	In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:	
	paid additional fees	
	paid additional fees under protest	
	not paid additional fees	
2.	This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.	
3.	This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is	
	complied with	Ì
	not complied with for the following reasons:	1
	Claims 1, 8, 10 and 14 and the parts depending on claim 1 in the inventions of claims 3-7 and 12 (invention group 1) relate to a process for producing the compound represented by the formula (1), while claims 2, 9, 11 and 14 and the parts depending on claim 2 in the inventions of claims 3 to 7 and 12 (invention group 2) relate to a process for producing the compound represented by the formula (4). As reported by the following document, these compounds are both publicly known and have no novel skeleton in common. Such being the case, it does not appear that the invention groups 1 and 2 have a special technical feature in common and these invention groups are not considered as being so linked as to form a single general inventive concept.	
	Document JP 2004-35474 A (Suntory Ltd.)	
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	4. Consequently, this opinion has been established in respect of the following parts of the international application:	
- {	all parts	
1	the parts relating to claims Nos. 1, 3-8, 10, 12, 13	

International application No.
PCT/JP2005/005695

Вох	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1.	Statement							
	Novelty (N)	Claims	1,	3-8,	10,	12,	13	YES
		Claims						NO
	Inventive step (IS)	Claims	1,	3-8,	10,	12,	13	YES
	Industrial applicability (IA)		1,	3-8,	10,	12,	13	YES
		Claims						NO
2.	Citations and explanations:							-

Document 1: JP 2004-35474 A (Suntory Ltd.) 05 February 2004

The invention of claim 1 appears to involve an inventive step over document 1 cited in the ISR. Although document 1 describes flavone C glycoside derivative represented by the formula (I), a method for synthesizing the compound using isovitexine as a raw material is not described; nor is this point obvious to a person skilled in the art.

PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below YCT-1025 International filing date (day/month/year) Priority date (day/month/year) International application No. 31.03.2004 28.03.2005 PCT/JP2005/005695 International Patent Classification (IPC) or both national classification and IPC Applicant SUNTORY LIMITED This opinion contains indications relating to the following items: Basis of the opinion Box No. I Box No. II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited Box No. VI Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCI/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/JP

Telephone No.

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Box	κ No. I	Basis of this opinion					
1.	With filed	regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.					
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under					
	•	Rule 12.3 and 23.1(b)).					
2.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:					
	a.	type of material					
		a sequence listing					
		table(s) related to the sequence listing					
	b.	format of material					
		in written format					
		in computer readable form					
	c.	time of filing/furnishing					
		contained in the international application as filed.					
	tiled together with the international application in computer readable form.						
		furnished subsequently to this Authority for the purposes of search.					
3.	3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4.	Λd	litional comments:					
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Вох	No. IV	Lack of unity of invention
1.	In re	esponse to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
		paid additional fees
		paid additional tees under protest
	\boxtimes	not paid additional fees
2.	Thi add	is Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay litional fees.
3.	This Aut	hority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
	Co1	mplied with
	Not	t complied with for the following reasons:
	pr ar 12 re co	Claims 1, 8, 10 and 14 and the parts depending on claim 1 in the aventions of claims 3-7 and 12 (invention group 1) relate to a process for roducing the compound represented by the formula (1), while claims 2, 9, 11 and 14 and the parts depending on claim 2 in the inventions of claims 3 to 7 and 2 (invention group 2) relate to a process for producing the compound expresented by the formula (4). As reported by the following document, these compounds are both publicly known and have no novel skeleton in common. Such being the case, it does not appear that the invention groups 1 and 2 ave a special technical feature in common and these invention groups are not considered as being so linked as to form a single general inventive concept.
		P 2004-35474 A (Suntory Ltd.)
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	4. Consc	equently, this opinion has been established in respect of the following parts of the international application:
		all parts
		the parts relating to claims Nos. 1, 3-8, 10, 12, 13

International application No.

	INTERNATION	PCT/JP2005/005695					
Box	No. V Reasoned statemer citations and expla	nt under Ru mations sup	ale 43bis.1(a)(i) with regard to novelty, inverporting such statement	ntive step or industrial applicability;			
1.	Statement						
	Novelty (N)	Claims	1, 3-8, 10, 12, 13	YES			
		Claims		NO			
	Inventive step (IS)	Claime	1, 3-8, 10, 12, 13	YES			
		Claims		NO NO			
	Industrial applicability (IA)			YES			
	Industrial application (IA)	Claims Claims	1, 3-8, 10, 12, 13				
		Ciainis					
2.	Citations and explanations:			·			
	Document 1: JP 2004-35474 A (Suntory Ltd.)						
	05 Fe	bruary 2	2004	,			
	The invention of claim 1 appears to involve an inventive step over document 1						
	cited in the ISR. Although document 1 describes flavone C glycoside derivative						
	represented by the formula (I), a method for synthesizing the compound using isovitexine as a raw material is not described; nor is this point obvious to a person						
	skilled in the art.						
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